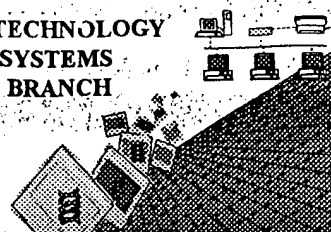


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/513,999B
Source: O/P
Date Processed by STIC: 7/2/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/513,999B

DATE: 07/02/2002

TIME: 13:17:21

Input Set : F:\Seqlist.txt

Output Set: N:\CRF3\07022002\I513999B.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Dumas Milne Edwards, J.B.
 4 Duclert, A.
 5 Giordano, J.Y.
 7 <120> TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
 9 <130> FILE REFERENCE: 59.US2.REG
 11 <140> CURRENT APPLICATION NUMBER: US 09/513,999B
 C--> 12 <141> CURRENT FILING DATE: 2002-06-13
 14 <150> PRIOR APPLICATION NUMBER: US 60/122,487
 15 <151> PRIOR FILING DATE: 1999-02-26
 17 <160> NUMBER OF SEQ ID NOS: 36681
 19 <170> SOFTWARE: Patent.pm
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 822
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Homo Sapiens
 26 <220> FEATURE:
 27 <221> NAME/KEY: CDS
 28 <222> LOCATION: 346..552
 30 <221> NAME/KEY: sig_peptide
 31 <222> LOCATION: 346..408
 32 <223> OTHER INFORMATION: Von Heijne matrix
 35 <220> FEATURE:
 36 <221> NAME/KEY: misc_feature /
 37 <222> LOCATION: 113
 38 <223> OTHER INFORMATION: s=g or c
 40 <220> FEATURE:
 41 <221> NAME/KEY: misc_feature
 42 <222> LOCATION: 115
 43 <223> OTHER INFORMATION: n=a, g, c or t
 45 <220> FEATURE:
 46 <221> NAME/KEY: misc_feature
 47 <222> LOCATION: 499
 48 <223> OTHER INFORMATION: r=a or g
 50 <220> FEATURE:
 51 <221> NAME/KEY: misc_feature
 52 <222> LOCATION: 566
 53 <223> OTHER INFORMATION: r=a or g
 55 <220> FEATURE:
 56 <221> NAME/KEY: misc_feature
 57 <222> LOCATION: 585
 58 <223> OTHER INFORMATION: k=g or t
 60 <220> FEATURE:
 61 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/513,999B

DATE: 07/02/2002
TIME: 13:17:21

Input Set : F:\Seqlist.txt
Output Set: N:\CRF3\07022002\I513999B.raw

62 <222> LOCATION: 610
63 <223> OTHER INFORMATION: r=a or g
65 <220> FEATURE:
66 <221> NAME/KEY: misc_feature
67 <222> LOCATION: 699
68 <223> OTHER INFORMATION: r=a or g
70 <220> FEATURE:
71 <221> NAME/KEY: misc_feature
72 <222> LOCATION: 700
73 <223> OTHER INFORMATION: m=a or c
75 <220> FEATURE:
76 <221> NAME/KEY: misc_feature
77 <222> LOCATION: 782
78 <223> OTHER INFORMATION: w=a or t
80 <220> FEATURE:
81 <221> NAME/KEY: UNSURE
82 <222> LOCATION: 499
83 <223> OTHER INFORMATION: Xaa=Glu or Lys
85 <400> 1
86 actcctttta gcataggggc ttcggcgcca gcgccagcg ctagtcggtc tggtaagtgc 60
87 ctgatgccga gttccgtctc tcgcgtcttt tcttggtccc aggcaaagcg gasgnagatc 120
88 ctcaaacggc ctagtgcttc gcgcttcgg agaaaatcag cggctctaatt aattcctctg 180
89 gtttgttgaa gcagttacca agaattctca accctttccc acaaaagcta attgagtaca 240
90 cgttcctggt gagtacacgt tctgtttgat ttacaaaagg tgcaggtatg agcaggtctg 300
91 aagactaaca ttttgtgaag ttgtaaaaca gaaaacctgt tagaa atg tgg tgg ttt 357
92 Met Trp Trp Phe
93 -20
94 cag caa ggc ctc agt ttc ctt cct tca gcc ctt gta att tgg aca tct 405
95 Gln Gln Gly Leu Ser Phe Leu Pro Ser Ala Leu Val Ile Trp Thr Ser
96 -15 -10 -5
97 gct gct ttc ata ttt tca tac att act gca gta aca ctc cac cat ata 453
98 Ala Ala Phe Ile Phe Ser Tyr Ile Thr Ala Val Thr Leu His His Ile
99 1 5 10 15
100 gac ccg gct tta cct tat atc agt gac act ggt aca gta gct cca Xaa 501
W--> 101 Asp Pro Ala Leu Pro Tyr Ile Ser Asp Thr Gly Thr Val Ala Pro Xaa
102 20 25 30
103 aaa tgc tta ttt ggg gca atg cta aat att gcg gca gtt tta tgt caa 549
104 Lys Cys Leu Phe Gly Ala Met Leu Asn Ile Ala Val Leu Cys Gln
105 35 40 45
106 aaa tagaaatcag gaarataatt caacttaaag aakttcattt catgacccaa 602
107 Lys
108 ctcttcaraa acatgtcttt acaagcatat ctcttgtatt gctttctaca ctgttgaatt 662
109 gtctggcaat atttctgcag tggaaaattt gatttarmta gttcttgact gataaatatg 722
110 gtaaggtggg cttttccccc tgtgttaattg gctactatgt cttactgagc caagttgtaw 782
111 tttgaaataa aatgatatga gagtgacaca aaaaaaaaaa 822
113 <210> SEQ ID NO: 2
114 <211> LENGTH: 21
115 <212> TYPE: PRT
116 <213> ORGANISM: Homo Sapiens

31 Xaa is at amino acid location 31, not
nucleotide
location
499

RAW SEQUENCE LISTING

DATE: 07/02/2002

PATENT APPLICATION: US/09/513,999B

TIME: 13:17:21

Input Set : F:\Seqlist.txt

Output Set: N:\CRF3\07022002\I513999B.raw

```

118 <220> FEATURE:
119 <221> NAME/KEY: SIGNAL
120 <222> LOCATION: 1..21
121 <223> OTHER INFORMATION: Von Heijne matrix
122     score 5.5
123     seq SFLPSALVIWTS/AF
126 <400> SEQUENCE: 2
127 Met Trp Trp Phe Gln Gln Gly Leu Ser Phe Leu Pro Ser Ala Leu Val
128 1             5             10             15
129 Ile Trp Thr Ser Ala
130             20
132 <210> SEQ ID NO: 3
133 <211> LENGTH: 526
134 <212> TYPE: DNA
135 <213> ORGANISM: Homo Sapiens
137 <220> FEATURE:
138 <221> NAME/KEY: CDS
139 <222> LOCATION: 90..344
141 <221> NAME/KEY: sig_peptide
142 <222> LOCATION: 90..140
143 <223> OTHER INFORMATION: Von Heijne matrix
146 <220> FEATURE:
147 <221> NAME/KEY: misc_feature
148 <222> LOCATION: 6
149 <223> OTHER INFORMATION: r=a or g
151 <220> FEATURE:
152 <221> NAME/KEY: misc_feature
153 <222> LOCATION: 8
154 <223> OTHER INFORMATION: r=a or g
156 <220> FEATURE:
157 <221> NAME/KEY: misc_feature
158 <222> LOCATION: 32
159 <223> OTHER INFORMATION: r=a or g
161 <220> FEATURE:
162 <221> NAME/KEY: misc_feature
163 <222> LOCATION: 80
164 <223> OTHER INFORMATION: r=a or g
166 <220> FEATURE:
167 <221> NAME/KEY: misc_feature
168 <222> LOCATION: 137
169 <223> OTHER INFORMATION: w=a or t
171 <220> FEATURE:
172 <221> NAME/KEY: misc_feature
173 <222> LOCATION: 209
174 <223> OTHER INFORMATION: r=a or g
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature
178 <222> LOCATION: 210
179 <223> OTHER INFORMATION: w=a or t

```

RAW SEQUENCE LISTING

DATE: 07/02/2002

PATENT APPLICATION: US/09/513,999B

TIME: 13:17:21

Input Set : F:\Seqlist.txt

Output Set: N:\CRF3\07022002\I513999B.raw

```

181 <220> FEATURE:
182 <221> NAME/KEY: misc_feature
183 <222> LOCATION: 290
184 <223> OTHER INFORMATION: n=a, g, c or t
186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: 352
189 <223> OTHER INFORMATION: r=a or g
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: 366
194 <223> OTHER INFORMATION: r=a or g
196 <220> FEATURE:
197 <221> NAME/KEY: misc_feature
198 <222> LOCATION: 411
199 <223> OTHER INFORMATION: r=a or g
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <222> LOCATION: 435
204 <223> OTHER INFORMATION: r=a or g
206 <220> FEATURE:
207 <221> NAME/KEY: UNSURE
208 <222> LOCATION: 210
209 <223> OTHER INFORMATION: Xaa=Phe or Ile
211 <220> FEATURE:
212 <221> NAME/KEY: UNSURE
213 <222> LOCATION: 288
214 <223> OTHER INFORMATION: Xaa=Lys or Asn
W--> 216 <400> 3
217 aatatrarac agctacaata ttccagggcc artcacttgc catttctcat aacagcgtca 60
218 gagagaaaga actgactgar acgtttgag atg aag aaa gtt ctc ctc ctg atc 113
219 Met Lys Lys Val Leu Leu Leu Ile
220 -15 -10
221 aca gcc atc ttg gca gtg gct gtw ggt ttc cca gtc tct caa gac cag 161
222 Thr Ala Ile Leu Ala Val Ala Val Gly Phe Pro Val Ser Gln Asp Gln
223 -5 1 5
224 gaa cga gaa aaa aga agt atc agt gac agc gat gaa tta gct tca ggr 209
225 Glu Arg Glu Lys Arg Ser Ile Ser Asp Ser Asp Glu Leu Ala Ser Gly
226 10 15 20
227 ttt ttt gtg ttc cct tac cca tat cca ttt cgc cca ctt cca cca att 257
W--> 228 Xaa Phe Val Phe Pro Tyr Pro Tyr Pro Phe Arg Pro Leu Pro Pro Ile
229 25 30 35
W--> 230 cca ttt cca aga ttt cca tgg ttt aga cgt aan ttt cct att cca ata 305
W--> 231 Pro Phe Pro Arg Phe Pro Trp Phe Arg Arg Xaa Phe Pro Ile Pro Ile
232 40 45 50 55
233 cct gaa tct gcc cct aca act ccc ctt cct agc gaa aag taaacaaraa 354
234 Pro Glu Ser Ala Pro Thr Thr Pro Leu Pro Ser Glu Lys
235 60 65
236 ggaaaagtca crataaacct ggtcacctga aattgaaatt gagccacttc cttgaaraat 414

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/513,999B

DATE: 07/02/2002
TIME: 13:17:21

Input Set : F:\Seqlist.txt
Output Set: N:\CRF3\07022002\I513999B.raw

```

237 caaaattcct gttaataaaa raaaaacaaa tgtaattgaa atagcacaca gcattctcta 474
238 gtcaatatct ttagtgatct tctttaataa acatgaaagc aaaaaaaaaa aa 526
240 <210> SEQ ID NO: 4
241 <211> LENGTH: 17
242 <212> TYPE: PRT
243 <213> ORGANISM: Homo Sapiens
245 <220> FEATURE:
246 <221> NAME/KEY: SIGNAL
247 <222> LOCATION: 1..17
248 <223> OTHER INFORMATION: Von Heijne matrix
249     score 8.2
250     seq LLLITAILAVAVG/FP
253 <400> SEQUENCE: 4
254 Met Lys Lys Val Leu Leu Leu Ile Thr Ala Ile Leu Ala Val Ala Val
255 1           5           10           15
256 Gly
258 <210> SEQ ID NO: 5
259 <211> LENGTH: 848
260 <212> TYPE: DNA
261 <213> ORGANISM: Homo Sapiens
263 <220> FEATURE:
264 <221> NAME/KEY: CDS
265 <222> LOCATION: 32..697
267 <221> NAME/KEY: sig_peptide
268 <222> LOCATION: 32..73
269 <223> OTHER INFORMATION: Von Heijne matrix
272 <220> FEATURE:
273 <221> NAME/KEY: misc_feature
274 <222> LOCATION: 540
275 <223> OTHER INFORMATION: d=not a or g or t
277 <220> FEATURE:
278 <221> NAME/KEY: misc_feature
279 <222> LOCATION: 543
280 <223> OTHER INFORMATION: r=a or g
282 <220> FEATURE:
283 <221> NAME/KEY: misc_feature
284 <222> LOCATION: 581
285 <223> OTHER INFORMATION: r=a or g
287 <220> FEATURE:
288 <221> NAME/KEY: misc_feature
289 <222> LOCATION: 586
290 <223> OTHER INFORMATION: k=g or t
292 <220> FEATURE:
293 <221> NAME/KEY: misc_feature
294 <222> LOCATION: 725
295 <223> OTHER INFORMATION: r=a or g
297 <220> FEATURE:
298 <221> NAME/KEY: misc_feature
299 <222> LOCATION: 788

```

fy R
Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.